

Title (en)

Vehicle wheel mount assembly and associated wheel hub assembly

Title (de)

Fahrzeugradmontageanordnung und zugehörige Radnabenanordnung

Title (fr)

Ensemble de montage de roue de véhicule et ensemble de moyeu de roue associé

Publication

EP 2631086 A1 20130828 (EN)

Application

EP 13155984 A 20130220

Priority

IT TO20120157 A 20120222

Abstract (en)

A vehicle wheel mount assembly (1) including a supporting element (2) associable with a vehicle and a wheel hub assembly (3) including an inner ring (4) and an outer ring (5) coaxially mounted and rotatable with respect to each other about a common symmetry axis (A) by interposition of two crowns of rolling bodies (8) therebetween; wherein a first axial end (14) of the outer ring, which is facing the side opposite to a flange (10) of the inner ring to which a wheel is fastenable, is delimited by an outer side surface (16) which is threaded along at least one axial section (17) thereof of predetermined length; the outer ring (5) is radially externally equipped with an axial shoulder (18) facing the first end and the supporting element has a threaded seat (30) for receiving the first end (14), the outer ring (5) being directly screwed onto the supporting element (2), within the seat, with the shoulder (18) axially abutting on the supporting element.

IPC 8 full level

B60B 27/00 (2006.01); **B60B 27/06** (2006.01)

CPC (source: EP)

B60B 27/0005 (2013.01); **B60B 27/0094** (2013.01); **B60B 27/065** (2013.01); **F16C 35/067** (2013.01); **B60B 2380/12** (2013.01); **B60B 2380/73** (2013.01); **B60B 2900/112** (2013.01); **B60B 2900/114** (2013.01); **F16C 19/186** (2013.01); **F16C 2226/60** (2013.01); **F16C 2326/02** (2013.01)

Citation (search report)

- [A] US 2007147719 A1 20070628 - KOMORI KAZUO [JP]
- [A] DE 4038917 C1 19911205
- [A] JP 2006151067 A 20060615 - NSK LTD

Cited by

US2020316992A1; DE102016220535A1; EP3301317A1; DE102016225155A1; DE102016220535B4

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2631086 A1 20130828; **EP 2631086 B1 20140730**; IT TO20120157 A1 20130823

DOCDB simple family (application)

EP 13155984 A 20130220; IT TO20120157 A 20120222